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What is claimed as new and desired to be protected by Letters Patent of the United States is:

1. A portable memory module comprising:

at least one memory device;

a transmitter/receiver circuit for (i) wirelessly receiving data communicated to said module and (ii) wirelessly transmitting data from said module; and

a controller in communication with said at least one memory device and said transmitter/receiver circuit for storing data in said memory device received by said transmitter/receiver circuit and for returning data from said memory device for transmission by said transmitter/receiver circuit from said module.

- 2. A memory module according to claim 1, wherein said wireless transmission and reception uses radio waves.
- 3. A memory module according to claim 2, wherein the frequency of said radio waves is in the range of about 900 MHz to about 10 GHz.
- A memory module according to claim 2, wherein said radio waves are
   Bluetooth™ compliant radio waves.

5. A memory module according to claim 2, wherein said transmitter/receiver automatically establishes a radio wave communications path when in the vicinity of another transmitter/receiver which transmits data to or receives data from said module.

- 6. A memory module according to claim 3, wherein said frequency is about 2.4 GHz.
- 7. A memory module according to claim 1, wherein said wireless transmission and reception uses light waves.
- 8. A memory module according to claim 1, further comprising a self-contained electrical power supply unit at said module for providing operating power to electrical components at said module.
- 9. A memory module according to claim 8, wherein said power supply unit comprises at least one battery.
- 10. A memory module according to claim 9, wherein said at least one battery is rechargeable.
- 11. A memory module according to claim 10, said power supply unit further comprising terminals for communicating with a recharger for recharging said at least one rechargeable battery.
- 12. A memory module according to claim 1, wherein said memory device comprises a dynamic random access memory device.

- 13. A memory module according to claim 1, wherein said memory device comprises a flash memory device.
- 14. A processor system for communicating with a portable memory module, said processor system comprising:

at least one memory device;

a transmitter/receiver circuit for (i) wirelessly receiving data communicated to said system and (ii) wirelessly transmitting data from said system; and

a controller in communication with said at least one memory device and said transmitter/receiver circuit for storing data in said memory device received by said transmitter/receiver circuit and for returning data from said memory device for transmission by said transmitter/receiver circuit from said system.

- 15. A processor system according to claim 14, wherein said wireless transmission and reception uses radio waves.
- 16. A processor system according to claim 15, wherein the frequency of said radio waves is in the range of about 900 MHz to about 10 GHz.
- 17. A processor system according to claim 15, wherein said radio waves are Bluetooth™ compliant radio waves.

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- 18. A processor system according to claim 15, wherein said transmitter/receiver automatically establishes a radio wave communications path when in the vicinity of another transmitter/receiver which transmits data to or receives data from said system.
- 19. A processor system according to claim 16, wherein said frequency is about 2.4 GHz.
- 20. A processor system according to claim 14, wherein said wireless transmission and reception uses light waves.
- 21. A processor system according to claim 14, further comprising a recharger for providing operating power to electrical components of said module.
- 22. A system for the portable transfer of data, said portable data transfer system comprising:
  - (a) a first processor system comprising:
  - at least one first processor system memory device;
- a first processor system transmitter/receiver circuit for (i) wirelessly receiving data communicated to said first processor system and (ii) wirelessly transmitting data from said first processor system; and
- a first processor system controller in communication with said at least one first processor system memory device and said first processor system transmitter/receiver circuit

for storing data in said memory device received by said transmitter/receiver circuit and for returning data from said memory device for transmission by said transmitter/receiver circuit from said first processor system; and

(b) a portable memory module comprising:

at least one memory module memory device;

a memory module transmitter/receiver circuit for (i) wirelessly receiving data communicated to said module and (ii) wirelessly transmitting data from said module; and

a memory module controller in communication with said at least one memory module memory device and said memory module transmitter/receiver circuit for storing data in said memory device received by said transmitter/receiver circuit and for returning data from said memory device for transmission by said transmitter/receiver circuit from said module.

23. A system for the portable transfer of data according to claim 22, said portable data transfer system further comprising:

a second processor system comprising:

at least one second processor system memory device;

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a second processor system transmitter/receiver circuit for (i) wirelessly receiving data communicated to said second processor system and (ii) wirelessly transmitting data from said second processor system; and

a second processor system controller in communication with said at least one second processor system memory device and said second processor system transmitter/receiver circuit for storing data in said memory device received by said transmitter/receiver circuit and for returning data from said memory device for transmission by said transmitter/receiver circuit from said second processor system.

- 24. A system for the portable transfer of data according to claim 22, wherein said wireless transmission and reception uses radio waves.
- 25. A system for the portable transfer of data according to claim 22, wherein the frequency of said radio waves is in the range of about 900 MHz to about 10 GHz.
- 26. A system for the portable transfer of data according to claim 22, wherein said radio waves are Bluetooth™ compliant radio waves.
- 27. A system for the portable transfer of data according to claim 22, wherein said first processor system transmitter/receiver, said memory module transmitter/receiver and said second processor system transmitter/receiver automatically establish a radio wave communications path when in the vicinity of another transmitter/receiver which transmits or receives data.

- 28. A system for the portable transfer of data according to claim 25, wherein said frequency is about 2.4 GHz.
- 29. A system for the portable transfer of data according to claim 22, said memory module further comprising a self-contained electrical power supply unit at said module for providing operating power to electrical components at said module.
- 30. A system for the portable transfer of data according to claim 29, wherein said power supply unit comprises at least one battery.
- 31. A system for the portable transfer of data according to claim 30, wherein said at least one battery is rechargeable.
- 32. A system for the portable transfer of data according to claim 31, said power supply unit further comprising terminals for communicating with a recharger for recharging said at least one rechargeable battery.
- 33. A system for the portable transfer of data according to claim 32, wherein said recharger is a stand-alone recharger.
- 34. A system for the portable transfer of data according to claim 32, wherein said first processor system comprises said recharger.
- 35. A system for the portable transfer of data according to claim 32, wherein said wireless transmission and reception uses light waves.

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36. A method of portable data transfer, said method comprising:

wirelessly transmitting data from a processor system to a portable memory module; and

receiving with said portable memory module said data transmitted from the processor system and storing said received data at said memory module.

37. A method according to claim 36, further comprising:

wirelessly transmitting said received and stored data from said portable memory module to a processor system.

- 38. A method according to claim 36, wherein said wireless transmission and reception uses radio waves.
- 39. A method according to claim 38, wherein the frequency of said radio waves is in the range of about 900 MHz to about 10 GHz.
- 40. A method according to claim 38, wherein said radio waves are Bluetooth™ compliant radio waves.
- 41. A method according to claim 36, wherein said wireless transmission and reception automatically establishes a radio wave communications path when in the vicinity of other wireless transmission and reception which transmits data to or receives data from said module and said processor system.

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- 42. A method according to claim 35, wherein said frequency is about 2.4 GHz.
- 43. A method according to claim 36, wherein said wireless transmission and reception uses light waves.
  - 44. A portable memory module comprising:

at least one memory device;

a controller for controlling the storage of data received by said receiver in said

a receiver for receiving data wirelessly transmitted to said receiver; and

memory device.

- 45. A memory module according to claim 44, further comprising a selfcontained power supply in said module for supplying operative power thereto.
- 46. A memory module according to claim 44, wherein said data is wirelessly transmitted using radio waves.
- 47. A memory module according to claim 46, wherein said radio waves are Bluetooth™ compliant radio waves.
- 48. A memory module according to claim 44, wherein said data is wirelessly transmitted using light waves.
  - 49. A portable memory module comprising:

at least one memory device;

a transmitter for wirelessly transmitting data stored in said at least one memory device from said module; and

a controller for reading data from said memory device and controlling the transmission of data by said transmitter.

- 50. A memory module according to claim 49, further comprising a selfcontained power supply in said module for supplying operative power thereto.
- 51. A memory module according to claim 49, wherein said data is wirelessly transmitted using radio waves.
- 52. A memory module according to claim 51, wherein said radio waves are Bluetooth™ compliant radio waves.
- 53. A memory module according to claim 49, wherein said data is wirelessly transmitted using light waves.